

NAME:

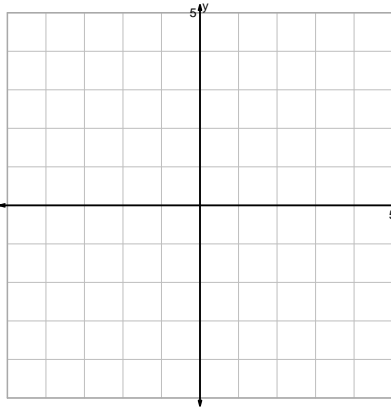
DATE:

Unit-2 Reduced Mastery Assessment (version 306)

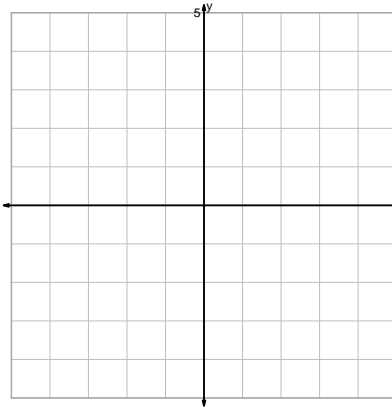
Question 1 (20 points)

Graph the equations accurately. For each integer-integer point on the parent, indicate the corresponding point precisely. Also, with dashed lines, indicate any asymptotes.

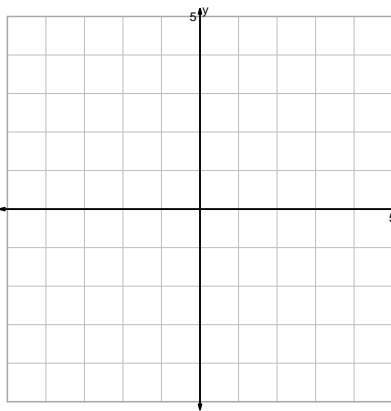
$$y = 2 \cdot \log_2(x)$$



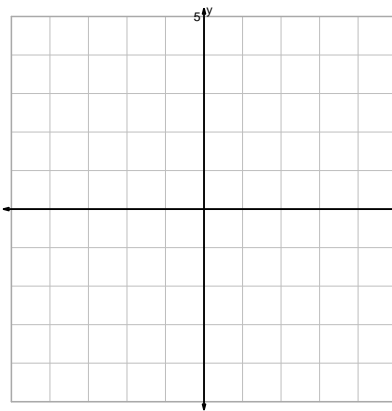
$$y = (x + 2)^3$$



$$y = \log_2(-x)$$

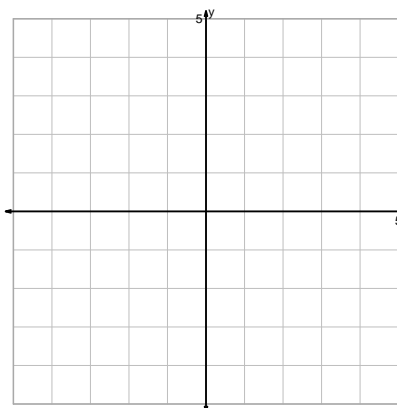


$$y = \sqrt[3]{x} - 2$$

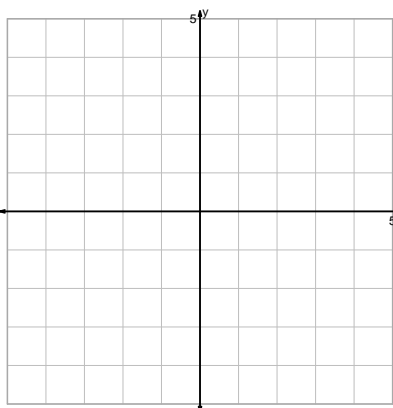


Question 2 continued...

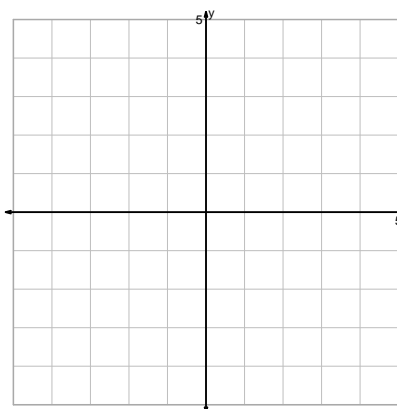
$$y = (2x)^2$$



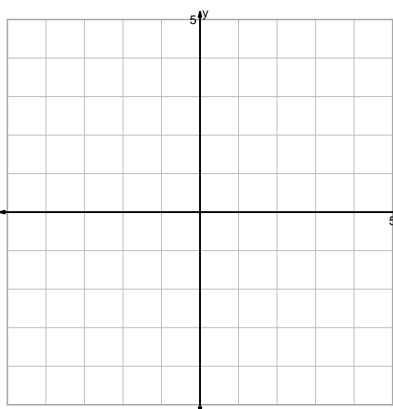
$$y = -\sqrt{x}$$



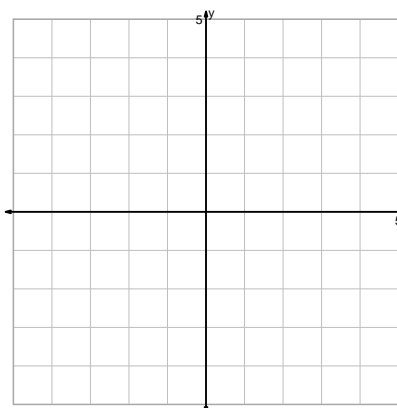
$$y = \sqrt[3]{x} + 2$$



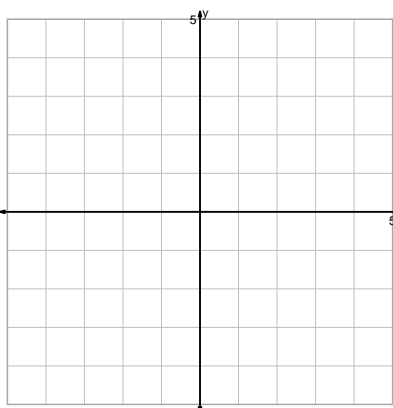
$$y = \sqrt{x-2}$$



$$y = \left(\frac{x}{2}\right)^3$$

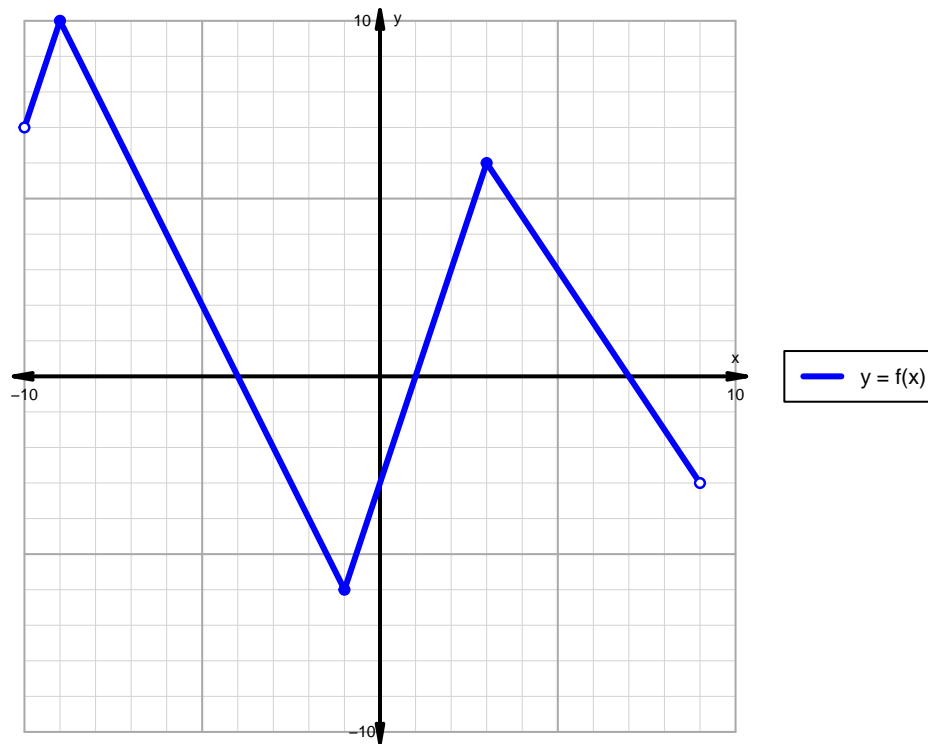


$$y = \frac{2^x}{2}$$



Question 2 (20 points)

A function is graphed below.



Indicate the following intervals using interval notation.

Feature	Where
Positive	
Negative	
Increasing	
Decreasing	
Domain	
Range	